



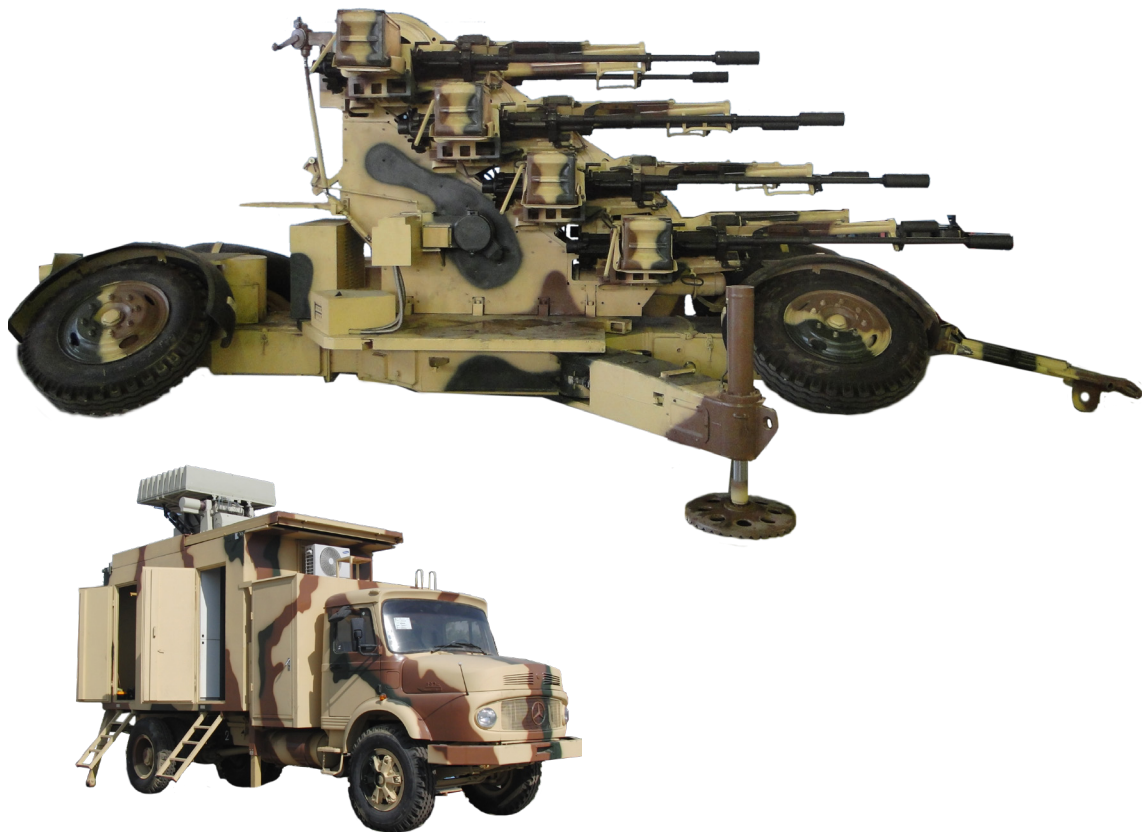
## MESBAH 1- Air Defence System



This 8-barrel system is an integration of “chassis and electric system” and a number of “4 pieces of twin-barrel 23mm guns” that is equipped with “one 3D seeker radar”, “one smart fire control unit” and “one set of power supply” for supplying the required energy.

This system utilizing advanced photography sensors and processing the acquired data is able to identify all air targets up to the height of 20 km regardless of being day or night, and then by conducting complicated calculations, predicts the target’s trajectory and shoots towards that target in the end by estimation of its next position.

By connecting to Fire Control Unit (FCU), electro-optic and Sky Guard while having high agility and an acceptable fire volume, this has increased the accuracy of the system in firing through reduction of shots diffusion.



A R M A M E N T

### TECHNICAL SPECIFICATIONS

Detection Range	0.2 ~ 20 km
Max. Speed of Detected Targets	300 m/s
Max. Angular Speed of Targets	90 °/s
Motion in Azimuth	360°n
Motion in Altitude	0 ~ 100°
Angular Precision	1 million
Max. Angular Acceleration	120 °/s <sup>2</sup>

### FEATURES OF RADAR

Min. RCS	0.1 m <sup>2</sup>
Max. Range	20 km
Radar Altitude Coverage	45°
Precision on Azimuth and Altitude	± 1.5°